(19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 29 January 2004 (29.01.2004)

PCT

(10) International Publication Number WO 2004/008936 A3

(51) International Patent Classification⁷: A61B 17/08, 17/10

(21) International Application Number:

PCT/IL2003/000596

(22) International Filing Date: 21 July 2003 (21.07.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

150855 22 July 2002 (22.07.2002) II. 10/237,359 9 September 2002 (09.09.2002) US

- (71) Applicant (for all designated States except US): NITI MEDICAL TECHNOLOGIES LTD. [IL/IL]; P.O. Box 8634, Sappir Business & Technology Park, 42506 Netanya (IL).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): MONASSEVITCH, Leonid [IL/IL]; 6 Boaron St. Apt. A/18, 38303 Givat Olga (IL). SPENSER, Benjamin [IL/IL]; 42 Topaz Street, P.O. Box 4131, 38900 Caesarea (IL). ARAD, Michael [IL/IL]; 32 Remez St., 62192 Tel-Aviv (IL). NE'EMAN, Ronen [IL/IL]; 6 Hana Senesh St., 53454 Givataim (IL).

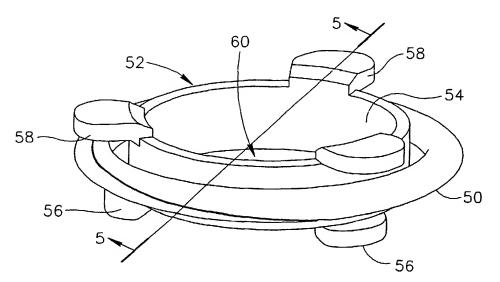
- (74) Agent: JEREMY M. BEN-DAVID & CO. LTD.; Har Hotzvim Hi-Tech Park, P.O. Box 45087, 91450 Jerusalem (IL.).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- (88) Date of publication of the international search report: 15 July 2004

[Continued on next page]

(54) Title: ANASTOMOSIS RING APPLIER



(57) Abstract: An anastomosis ring (50) and support member (56) is disclosed. The ring is made of shape memory material and is deployed by using a clip deplore as herein disclosed. The tool is designed to effect an anastomosis of a tubular opening in an end-to-end fashion. The ring generally resembles a wound wire. The tool is designed to be used on a hollow body organ such as the intestines.



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/II 03/00596

			1 C 1/1L03/00390	
A. CLASSIFICATION OF SUBJECT MATTER				
IPC(7) : A61B 17/08, 17/10				
US CL : 606/151 606/153 606/142				
According to International Patent Classification (IPC) or to both national classification and IPC				
B. FIELDS SEARCHED				
Minimum documentation searched (classification system followed by classification symbols)				
U.S.: 606/151 606/153 606/142				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched				
Electronic data bas	se consulted during the international search (nam	e of data base and, where	e practicable, sear	ch terms used)
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category *				Relevant to claim No.
	US 2002/0022853 A1 (SWANSON et al.) 21 February 2002 (21.02.2002), paragraphs 10-			1-21
14.				
X US:	US 2002/0055752 A1 (SCHRAFT et al) 09 May 2002 (09.05.02), paragraphs 77-83.			
x us	HC 6 402 765 D1 (MONACCEVITOH I) 11 Lun- 2002 (11 06 2002)			1.0
X 05	US 6,402,765 B1 (MONASSEVITCH et al) 11 June 2002 (11.06.2002), abstract			1-3
Tours do any	manus and linted in the continuation of Pow C			
	ments are listed in the continuation of Box C.	See patent far		
* Special categories of cited documents:				national filing date or priority tion but cited to understand the
	ng the general state of the art which is not considered to be		ory underlying the inver	
of particular relevance "X" document of particular relevance; the claimed invention cannot be				
"E" earlier application or patent published on or after the international filing date		considered nove	l or cannot be consider	ed to involve an inventive step
"L" document which may throw doubts on priority claim(s) or which is cited to				
establish the publication date of another citation or other special reason (as				laimed invention cannot be
specified)			volve an inventive step	when the document is documents, such combination
"O" document referring to an oral disclosure, use, exhibition or other means			a person skilled in the	
"P" document published prior to the international filing date but later than the		"&" document memb	er of the same patent fa	ımilv
priority date claimed				
Date of the actual completion of the international search Date of mailing of the international search report 11 March 2004 (01 03 2004)				
01 Manch 2004 (01	03 2004)	_	09JUN	ZUU4
01 March 2004 (01	address of the ISA/US	Authorized officer,		
_	PCT, Attn: ISA/US	Al ohn h		
Commissioner for Patents		Paul A Roberts		
P.O. Box 1		Telephone No. (703) 3	08-0858	
Facsimile No. (703)	a, Virginia 22313-1450) 305-3230			
	,			ı

Form PCT/ISA/210 (second sheet) (July 1998)